Journal of Neuro-Oncology **10**: 285–287, 1991

Contents Vol. 10 (1991)

CONTENTS Vol. 10, No. 1, 1991

Laboratory Investigations

Determination of proliferative activities in human brain tumor specimens: a comparison of three methods
T. Morimura, K. Kitz, H. Stein and H. Budka 1

Increased capillary permeability in rat brain induced by factors secreted by cultured C_6 glioma cells: role in peritumoral brain edema
T. Ohnishi, P. B. Sher, J. B. Posner and W. R. Shapiro 13

Clinical Studies

Phase II study of ifosfamide with mesna in adult patients with recurrent diffuse astrocytoma
T. E. Elliott, J. C. Buckner, T. L. Cascino, R. Levitt, J. R. O'Fallon and B. W. Scheithauer 27

The epidemiology of headache among children with brain tumor. *Headache in children with brain tumors*
The Childhood Brain Tumor Consortium 31

Pharmacokinetics of ^{11}C-labelled BCNU and SarCNU in gliomas studied by PET
S. Mitsuki, M. Diksic, T. Conway, Y. L. Yamamoto, J.-G. Villemure and W. Feindel 47

Interstitial chemotherapy for brain tumors: review
T. Tomita 57

Changes in glucose uptake by malignant gliomas: preliminary study of prognostic significance
J. M. Rozental, R. L. Levine and R. J. Nickles 75

New grading system of cerebral gliomas using positron emisson tomography with F-18 fluorodeoxyglucose
C. K. Kim, J. B. Alavi, A. Alavi and M. Reivich 85

CONTENTS Vol. 10, No. 2, 1991

Laboratory Investigations

Acute effects of human recombinant tumor necrosis factor-α on the cerebral vasculature of the rat in both normal brain and in an experimental glioma model
G. Kido, J. L. Wright and R. E. Merchant 95

A monoclonal antibody (ERIC-1), raised against retinoblastoma, that recognizes the neural cell adhesion molecule (NCAM) expressed on brain and tumours arising from the neuroectoderm
S. P. Bourne, K. Patel, F. Walsh, C. J. Popham, H. B. Coakham and J. T. Kemshead 111

BCNU stability as a function of ethanol concentration and temperature
P. Tepe, S. J. Hassenbusch, R. Benoit and J. H. Anderson 121

Special Paper

A summary of the Third Preuss Foundation Conference on brain tumor research
Ch. Wilson 129

Clinical Studies

On the significance of Lhermitte's sign in oncology
V. Ventafridda, A. Caraceni, C. Martini, A. Sbanotto and F. De Conno 133

Treatment of recurrent malignant supratentorial gliomas with carboplatin (CBDCA)
M. Poisson, Y. Péréon, J. Chiras and J. Y. Delattre 139

The effect of age on the latency of radiation myelopathy
J. R. Geyer, E. M. Taylor, J. M. Milstein, Ch. M. Shaw, B. A. Hubbard, J. P. Geraci and W. A. Bleyer 145

Interstitial hyperthermia of malignant brain tumors by implant heating system: Clinical experience
T. Kobayashi, Y. Kida, T. Tanaka, K. Hattori, M. Matsui and Y. Amemiya 153

Brain lesions following combined treatment with methotrexate and craniospinal irradiation
F. F. Cruz-Sanchez, J. Artigas, J. Cervos-Navarro, M. L. Rossi and R. Ferszt 165

Longterm remission of multiple brain metastases with tamoxifen
H. Pors, F. E. von Eyben, O. S. Sørensen and M. Larsen 173

The cause of death in patients with glioblastoma is multifactorial: Clinical factors and autopsy findings in 117 cases of supratentorial glioblastoma in adults
D. L. Silbergeld, R. C. Rostomily and E. C. Alvord Jr. 179

Book review 187

Instructions to authors 189

CONTENTS Vol. 10, No. 3, 1991

Review

The therapy of primary brain lymphoma
F.H. Hochberg, J.S. Loeffler and M. Prados 191

Laboratory Investigations

General protease and collagenase (IV) activity in C6 astrocytoma cells, C6 spheroids and implanted C6 spheroids
I.S. Vaithilingam, E.C. Stroude, W. McDonald and R.F. Del Maestro 203

Effects of induced hypertension on blood flow and capillary permeability in rats with experimental brain tumors
N. Suzuki, K. Sako and Y. Yonemasu 213

Development of subrenal capsule tumours following transplantation of rat RN6 multicell spheroids
S. Krajewski and W. Wechsler 219

A study on the biological behavior of human brain tumors. Part I. Arachidonic acid metabolism and DNA content
P. Gaetani, G. Butti, C. Chiabrando, M. Danova, M.G. Castelli, A. Riccardi, R. Assietti and P. Paoletti 233

A study on the biological behavior of human brain tumors. Part II: Steroid receptors and arachidonic acid metabolism
G. Butti, P. Gaetani, C. Chiabrando, R. Assietti, C. Zibera, M.G. Castelli, N. Gibelli, V. Silvani, G. Robustelli della Cuna and P. Paoletti 241

Thermal enhancement of ACNU and potentiation of thermochemotherapy with ACNU by hypertonic glucose in the BT_4An rat glioma
B.-C. Schem and O. Dahl 247

Clinical Studies

Stereological estimates of nuclear volume and other quantitative variables in supratentorial brain tumors
F.B. Sørensen, H. Brøndgaard, A.O. Chistiansen, M. Bojsen- Møller and E. Reske-Nielsen 253

Chemotherapeutic treatment of extensive optic pathway tumors in infants
C.S. Kretschmar and R.M. Linggood 263

Treatment of malignant brain tumors with focused ultrasound hyperthermia and radiation: results of a phase I trial
A.N. Guthkelch, L.P. Carter, J.R. Cassady, K.H. Hynynen, R.P. Iacono, P.C. Johnson, E.A.M.T. Obbens, R.B. Roemer, J.F. Seeger, D.S. Shimm and B. Stea 271

Contents Volume 10 285
Instructions for authors 289